

L 25558-66

ACC NR: A86004767

5

Golod, N. V., Prityakov, and V. Ya. Aleksandrov and also N. P. Ryabkov for useful remarks, and N. V. Alakseyeva for great help in the calculations and the reduction of the experimental data. The sections of the book devoted to shell strength were written by S. D. Khoring, Ye. A. Pavlinova, and M. V. Filippov, and the hydrodynamic sections were written by V. N. Shtrumpf and V. S. Tepakov.

## NAME OF WORKERS (abbreviated):

From the authors - - 4

Symbols - - 3

Ch. I. Principal information on the constructions of elastic vessels and the range of their application - - 7

Ch. II. Statics of a floating vessel - - 19

Ch. III. Hydrodynamics of a floating vessel - - 52

Ch. IV. Strength of shells of elastic vessels - - 106

Ch. V. Practical methods for calculating the strength and speed of vessels - - 132

Literature - - 222

SUB CODE: 13/ SUBM DATE: 17Sep67/ OMBR REF: 041/ OTH REF: 009

Card 2/2 FW

KNORINS V.

GENERAL

PERIODICALS: VESTIS, NO. 8, 1958

KNORINS V. Bibliographic index of Vilis Knorins' works. p. 135.

Monthly list of East European Accessions (EEAI) LC, VOL. 8, No. 2  
February 1959, Unalase.

ACCESSION NR: AT5009462

ORIGIN: Orig. art. has: 6 figures and 1 formula.

CIA FILE: Laboratory of Low Temperature Physics, German Academy of Sciences,

3

ENCL: X

SIM COPIE

8/120/60/000/005/045/051  
E073/E335

AUTHORS: Aul'khorn, V.O., Bavilogua, L.L. and Knorn, M.G.

TITLE: Compressor for Working with Precious Gases

PERIODICAL: Pribory i tekhnika eksperimenta, 1960, No. 5,  
pp. 143 - 144

TEXT: The necessity arises of compressing rare or particularly precious gases (for instance, gases of a certain isotope composition). In such cases it is particularly desirable to have a low volume of the compressor equipment. Furthermore, hermeticity of the equipment is essential. The authors have developed a compressor that satisfies these requirements and is based on the "Aktivist" model aeroplane engine (produced by Zeiss, E. Germany) of 2.5 cc capacity. The engine was additionally fitted with a compression valve, lubricating equipment, the carburettor was modified and the shaft provided with double oil seals. The air-cooling was substituted by water-cooling and the cylinder was modified somewhat to reduce the dead volume. The inlet valve is a disc valve of the resonance type. By means of this compressor pressures of about 40 atm were achieved at 3 000 rpm and at compression to

Card 1/2

*KNOROZ L. I.*

AVRASIN, Ya.D., kandidat tekhnicheskikh nauk; BERO, P.P., professor,  
doktor tekhnicheskikh nauk; BERNSTEYN, M.L., kandidat tekhnicheskikh  
nauk; GEMEROZOV, P.A., starshiy nauchnyy sotrudnik; GLIMER, B.M.,  
inzhener; DAVIDOVSKAYA, Ye.A., kandidat tekhnicheskikh nauk; YELCHIN,  
P.M., inzhener; YEREMIN, N.I., kandidat fiziko-matematicheskikh nauk;  
IVANOV, D.P., kandidat tekhnicheskikh nauk; JURCOZ, L.I., inzhener;  
KOBRIK, M.M., kandidat tekhnicheskikh nauk; KOSITKUTT, V.G., dotsent;  
KROTKOV, D.V., inzhener; KUDRYAVTSEV, I.V., professor, doktor tekhnicheskikh  
nauk; KULIKOV, I.V., kandidat tekhnicheskikh nauk; LEPETOV,  
V.A., kandidat tekhnicheskikh nauk; LIKINA, A.J., inzhener; MATVEEV,  
A.S., kandidat tekhnicheskikh nauk; MIL'MAN, B.S., kandidat tekhnicheskikh  
nauk; PAVLUSHKIN, N.M., kandidat tekhnicheskikh nauk; PIITSYN,  
V.I., inzhener [deceased]; RAKOVSKIY, V.S., kandidat tekhnicheskikh  
nauk; RAHRSHTADT, A.G., kandidat tekhnicheskikh nauk; XIABCHENKOV,  
A.Y., professor, doktor khimicheskikh nauk; SIGOLAYEV, S.Ya., kandi-  
dat tekhnicheskikh nauk; SMIRYAGIN, A.P., kandidat tekhnicheskikh  
nauk; SUL'KIN, A.O., inzhener; TUTOV, I.Ye., kandidat tekhnicheskikh  
nauk; KERUBCHOV, M.N., professor, doktor tekhnicheskikh nauk;  
TSYPLIN, I.O., kandidat tekhnicheskikh nauk; SHAROV, M.Ya., inzhener;  
SHERMAN, Ya.I., dotsent; SHNEIDER, B.A., kandidat tekhnicheskikh nauk;  
YUGANOVA, S.A., kandidat fiziko-matematicheskikh nauk; SATEL', E.A.,  
doktor tekhnicheskikh nauk, redaktor; SOKOLOVA, T.P., tekhnicheskiy  
redaktor

[Machine builder's reference book] Spravochnik mashinostroitelia; v  
sesti tomakh, izd-vo mashinostroit. lit-ry. Vol.6. (Glav. red.toma  
E.A.Satel', Izd. 2-eo, ispr. i dop.) 1956. 500 p. (MIRA 9:8)  
(Machinery—Construction)

SOV/137-58-11-23522

Translation from: Referativnyy zhurnal. Metallurgiya, 1958, Nr 11, p 239 (USSR)

AUTHORS: Perova, V. I., Knoroz, L. I.

TITLE: Thermal and Electrical Conductivity of Certain Refractory Materials at Elevated Temperatures (Teploprovodnost' i elektroprovodnost' nekotorykh zharoprochnykh materialov pri vysokikh temperaturakh)

PERIODICAL; V sb.: Ispytaniya i svoystva zharoprochn. materialov. Moscow, Mashgiz, 1957, pp 159-174

ABSTRACT: Five grades of pearlitic and twenty grades of austenitic steels were investigated together with five different alloys having a nonferrous base. The values of the coefficients of thermal and electrical conductivity were obtained for eight refractory materials employed in industrial applications. It was established that the thermal conductivity (TC) of pearlitic steel diminishes with increasing temperature. As the temperature is increased, the rate of increase in TC of heat-resistant austenitic steels is 2-5.8 times greater than the rate of increase of its electrical resistance (ER) (20-34%). Pearlitic steel exhibits a particularly intensive increase in the ER as the temperature is increased. As the testing temperature is raised from 100 to

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SOV/137-58-11-23522

Thermal and Electrical Conductivity of Certain Refractory Materials (cont.)

700°C, the ER of steel of the 12MKh type increases by 360%. In all refractory materials tested the ratio of the TC to the electrical conductivity increases linearly as the testing temperature is increased from 100 to 700°.

I. B.

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

PEROVA, V.I., kandidat tehnicheskikh nauk; KHOZOV, L.I., inzhener.

Thermal and electrical conductivity of certain heat resistant materials at high temperatures. [Trudy] TSVIITNASH no.79:199-174 '57.

(MLRA 10r6)

(Heat--Resistant alloys--Testing)

(Heat--Conduction)

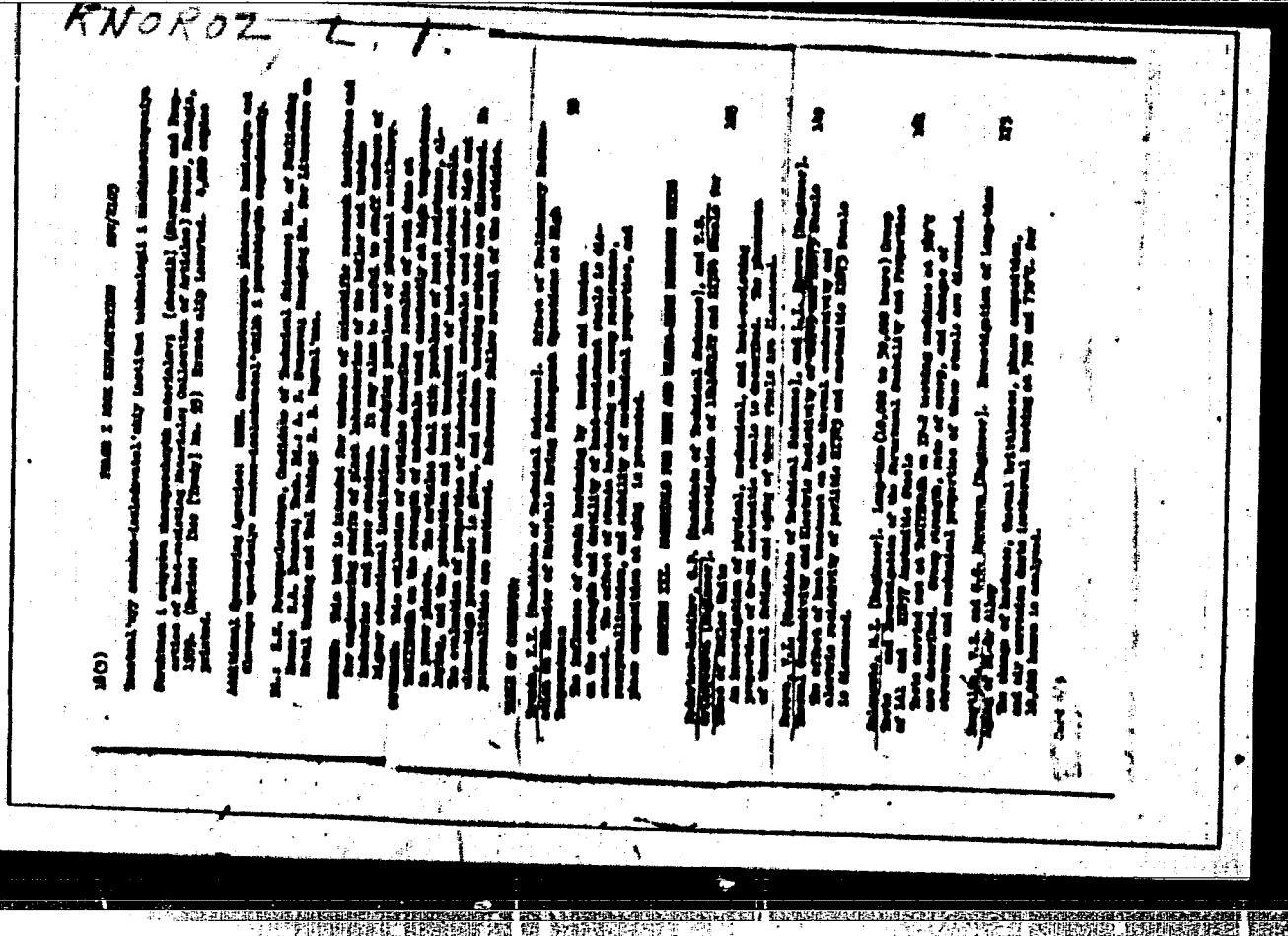
(Electric conductivity)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

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CIA-RDP86-00513R000723320016-7



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CIA-RDP86-00513R000723320016-7"

SAVVIN, L., inzh. (Moldaviya); YAKHILAKOV, A., inzh. (Sverdlovsk);  
TRUBOV, I., inzh. (Frunze); IVANOV, N.; PLAKSEYEV, G. (Kherson);  
KEMEROV, M. (L'vov); GROMENKO, P., rabochiy (Novosibirsk);  
TARASOV, O. (Novoressiysk); D'YAKOV, P., inzh. (Kamenak-Shakhtinskiy);  
BUTUSOV, V., dotsent (Moskva); SUNDAKOV, M.,  
inzh., student; PORTNOV, Ya., kand. tekhn. nauk (Makhachkala);  
PETROV, Yu., inzhener-stroitel' (Ivanovo)

Readers argue, agree, advise. Tekh. mol. 31 no.6:6-9 "63.  
(MIRA 16:7)

1. Starshiy inzhener Usol'skogo mashinostroitel'nogo zavoda  
(for Ivanov). 2. Moskovskoye vyssheye tekhnicheskogo  
uchilishche imeni Baumana (for Butusov). 3. Zashchitnoye otdeleniye  
fakul'teta zhurnalistiki Leningradskogo gosudarstvennogo  
universiteta (for Sundakov).

(Technological innovations)

KNOROZ, M.M.

LEVIN, Samuil L'vovich; TSUKERBERG, Solomon Maksimovich; KNOROZ, M.M.,  
redaktor; MAL'KOVA, N.V., tekhn.red.

[Tubeless automobile tires] Avtomobil'nye beskamerные шины.  
Moskva, Nauchno-tekhn. izd-vo avtotransp.lit-ry, 1957. 29 p.

(MIRA 10:12)

(Automobiles-Tires)

ACCESSION NR: AP4044141

S/0129/64/000/008/0044/0046

AUTHOR: Beloruchev, L. V.; Kermanova, Ye. G.; Knoroz, M. M.; Khushanova, V. D.; Cherepkova, K. F.

TITLE: Phase transformation and recrystallization in a Permendur-type alloy

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 8, 1964, 44-46

TOPIC TAGS: alloy, iron cobalt alloy, Permendur, phase transformation, alloy recrystallization/ alloy EP207

ABSTRACT: 2 x 3.2 x 50 mm rectangular samples of alloy EP207 (approx. 50% Fe and 50% Co) were examined dilatometrically to establish the lower limits of  $\alpha \rightarrow \beta$ -conversion and recrystallization. The samples, which were preannealed at 830°C for 5 hrs. in a vacuum-oven and water-quenched, were heated at a rate of 4-5 degrees/min. to 1050°C in a dilatometer, held at that temperature for 15-20 min., and cooled at a rate of 20 degrees/min. From dilatometric curves for the process (not shown) it was found that  $\alpha \rightarrow \beta$  conversion sets in at 915-930°C during heating and is considerably retarded during cooling. The values of the coefficient of linear expansion at 100-800°C were also determined for four different melts from the curves. In a study of recrystallization, 0.2 mm thick alloy samples which had been deformed to 90% by cold rolling were annealed at 650, 680, 700, 720, 740, 760, 780, 820, 860 and 900°C for 1 hr. at  $1 \times 10^{-4}$ - $1 \times 10^{-5}$  mm Hg in a vacuum oven. By examining

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ACCESSION NR: AP404141

the microstructure, recrystallization was found to begin at 700-720C, and the  $\alpha$ -phase to be in evidence at 860C. From more accurate data obtained for phase conversion temperatures, 850C was selected as the optimum temperature for intermediate thermal treatment of hot rolled alloy strips, and annealing at 830C for 5 hrs. was found to ensure adequate technical characteristics in 0.2 mm thick strips when the alloy impurity content was not above 0.60%. Orig. art. has: 3 tables and 1 figure.

ASSOCIATION: Severo-zapadnyy zaochnyy polytekhnicheskiy Institut (Northwest Correspondence Polytechnical Institute); Leningradskiy stekloprokatnyy zavod (Leningrad Steel Rolling Mill)

SUBMITTED: 00

ENCLOSURE: 00

SUB CODE: MM

NO REF Sov: 000

OTHERS: 002

Card 2/2

KNEROZ, M.M.

FILIPPOV, Vitaliy Konstantinovich; TARANOV, A.T., red.; KNEROZ, M.M., red.;  
MAL'KOVA, N.V., tekhn.red.

[Automotive transportation in the U.S.S.R.; a chronological survey]  
Avtomobil'nyi transport SSSR; khronologicheskiy obzor. Pod obshchey  
red. A.T.Taranova. Moskva, Nauchno-tekhn.izd-vo avtotransp.lit-ry,  
1957. 104 p.  
(Transportation, Automotive)

BELORUCHEV, L.V.; KARMAKOVA, Ye.G.; KNOROZ, M.M.; KULESHOVA, V.D.;  
CHEREPKOVA, K.P.

Phase transformations and recrystallization in "permendur"-  
type alloys. Metalloved. i term. obr. met. no.8:44-66  
Ag '64. (MIRA 17:10)

1. Severo-zapadnyy zaochnyy politekhnicheskiy institut i  
Leningradskiy stalesprokatnyy zavod.

KRAGEL'SKIY, I.V., doktor tekhn. nauk, prof., otd. red.;  
SINCHEDROV, V.S., doktor tekhn. nauk prof., otd. red.;  
RESHETOV, D.N., doktor tekhn. nauk, prof., otd. red.;  
CHICHINADZE, A.V., kand. tekhn. nauk, otd. red.;  
KNOROZ, M.M., red.

[Theory of friction and wear] Teoriia treniiia i iznosa.  
Moskva, Nauka, 1965. 364 p. (MIRA 18:7)

L 14995-66 EWP(e)/EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(k)/EWP(s)/EWP(b) IJP(c)

ACC NR: AP5028567

(N)

MJW/JD/HW/JG

SOURCE CODE: UR/0126/65/020/005/0789/0787

AUTHOR: Karmanova, Ye. G.; Kuleshova, V. D.; Roitman, A. A.; Knoros, M. M.

ORG: Northwestern Extramural Polytechnic Institute (Severo-Zapodnyy politekhnicheskiy institut); Leningrad Steel Mill (Leningradskiy staleprokatnyy zavod)

TITLE: Change in the electrical resistivity of Fe-Co-V alloys of the permendure type

SOURCE: Fizika metallov i metallovedeniya, v. 20, no. 5, 1965, 785-787

TOPIC TAGS: alloy system, iron, cobalt, vanadium, resistivity, ordered alloy

ABSTRACT: Deceleration of the ordering process in iron-cobalt alloys containing from 35 to 67.5% cobalt, and its effect on preserving the disordered state by alloying the binary iron-cobalt system with vanadium was investigated. Changes in electric resistivity were studied as a function of temperature for disordered Fe-Co-V alloys. Three industrial alloys with the following chemical contents were used in the study:

UDC: 538.245 : 537.311.31

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ACC NR: AP5028567

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## Chemical composition, wt %

Alloy #	C	Mn	Si	P	S	Ni	V	Cr
1	0.03	0.16	0.09	0.008	0.011	0.35	1.84	49.80
2	0.03	0.22	0.08	0.006	0.008	0.30	1.76	49.68
3	0.04	0.13	0.14	0.012	0.012	0.23	1.81	50.61

Hot rolled strips of 2 mm thickness were water quenched and cold rolled to a final thickness of 0.2 mm. The preliminary quench and subsequent cold deformation (87%) were necessary for obtaining the disordered state. Samples 250 mm in length were heated in a vacuum to temperatures of 200, 300, 400, 500, 600, 640, 660, 700 and 750°C for periods of 1 and 7 hrs. Relative changes in resistivity were obtained and compared to the cold worked condition.

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L 14995-66  
ACC NR: AP5028567

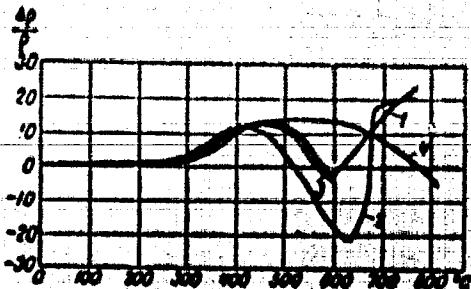


Fig. 1. Change in electric resistivity of cold worked Fe-Co-V alloys as a function of temperature of heating.

In the cold worked (disordered) state the values of electric resistivity for the alloys designated 1-3 were 0.339, 0.331 and 0.342 ohms \* mm<sup>2</sup>/m, respectively. The maximum in the resistivity change occurred at 400 to 450°C and the minimum at about 600 to 640°C. Curve 1 represents annealing times of 1 hr; curve 2, 7 hrs. The 7 hr annealing time resulted in a steeper minimum with a drop in resistivity of 22%. Above 660°C an increase in resistivity resulted. The significant drop in resistivity was attributed to ordering processes which increased in magnitude with annealing time. The highest degree of ordering occurred at 640°C. Curve 3 was taken from

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L 14995-66

ACC NR: AP5028567

the literature for heating from 200 to 600°C for 1 hr. Curve 4 was taken from Kadykova, G. N., et al [FMM, 1956, 3, 3, 486]. This contradictory curve was obtained for a 1.3% V alloy (permendure) as a function of heating temperature. Orig. art. has: 1 figure, 1 table.

SUM CODE: 11/ SUBM DATE: 09Nov64/ ORIG REF: 003/ OTH REF: 001

Magnetic alloy 18

Card 4/4

KNOROZ, V. I.

KNOROZ, V. I. -- "Stabilization of Front Wheels With Balloon Tires."  
Sub 9 Apr 52, Inst of Machine Science, Acad Sci USSR. (Dissertation  
for the Degree of Candidate in Technical Sciences).

SO: Vechernaya Moskva, January December 1952

ZHDANOV, A.L.; KHOZ, V.I., kandidat tekhnicheskikh nauk; SMIANOV, A.V., kandidat tekhnicheskikh nauk.

Instrument for measuring the deformation of automobile tire tread. avt. trakt.prom. no.6:27-28 Je '53. (MLRA 6:6)

1. Automobil'naya laboratoriya. Institut mashinovedeniya, Akademiya nauk SSSR. (Tires, Rubber)

XNOROZ, V.I. (Moskva).

Use of motion picture for tire contact studies. Izv. AN SSSR Otd.  
tekhn. nauk no.10:93-98 0'54. (MIRA 8:3)  
(Tires, Rubber) (Motion pictures in research)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KUROK, V. I., kandidat tekhnicheskikh nauk

Tubelless automobile tires. Avt. i trakt. prom. no.8:28-29 Ag'55.  
(Automobiles-Tires) (MLRA 8:11)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KHOROZ, V.I., kandidat tekhnicheskikh nauk; KLEMINOV, V.M.

Determining tangential forces acting in contact with automobile wheels. Avt. i trakt. prem. no.11:15-18 N '55. (MILRA 9:2)

1. Nauchno-issledovatel'skiy avtomotornyy institut.  
(Automobiles--Wheels)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KHOROS, V.I.; KLEMONIKOV, V.M.; SIDOROVA, Ye.M.

Determining the deviation angles and stabilization moments of tires of passenger automobiles. Trudy lab.dvig.no.2:67-79 '56. (MLRA 9:9)  
(Tires, Rubber)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KHOROS, V.I.

Distribution of specific pressure on the area of tread imprint of the  
driver wheel. Trudy lab.dvig. no.2:91-107 '56. (MIRA 9:9)  
(Tires, Rubber)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

DRONOV, V.I., kandidat tehnicheskikh nauk.

Tires for cross-country type vehicles, Avt. i trakt.prom. no.81-5  
Ag '56.

(MERA 9:10)

1. Mashino-issledovatel'skiy avtomotornyy institut.  
(Automobile-Tires)

IMOROV, V.I., kandidat tekhnicheskikh nauk.

The rolling of an automobile wheel at an inclined angle to the road. Avt. i trakt. prom. no.9:24-32 8 '56. (MIRA 9:11)

1. Nauchno-issledovatel'skiy avtomotornyy institut.  
(Automobiles--Wheels)

KHOROV, Vladimir Ivanovich, kandidat tekhnicheskikh nauk; YACHEBISTOV, Yu.  
A., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor.

[Performance of automobile tires] Rabota avtomobil'nykh shin. Mo-  
skva, Mauchno-tekhn.izd-vo avtetransp.lit-ry, 1957, 132 p.  
(MLRA 10:6)

(Automobiles-Tires)

*ANCR02.1.1*  
KHOROS, V.I., kand. tekhn. nauk; SHARIKIAN, Yu.E.

Resistance to motion of high-roadability automobiles on hard-surface  
roads. Avt. prom. no.1:22-24 Ja '58. (MIRA 11:2)

1. Gosudarstvennyy soyuznyy ordona Trudovogo Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut (for Khoros).
2. Moskovskoye vyscheye tekhnicheskoye uchilishche imeni Benmama (for Sharikyan).

(Automobiles--Testing)

*KNOROZ, V.I.*

113-58-3-3/16

AUTHORS: Knoroz, V.I., Candidate of Technical Sciences, Sharikyan,  
Yu.E.

TITLE: Roadability of an Automobile and Its Evaluation (Prokhodimost' avtomobiliya i yeysh otsenka)

PERIODICAL: *Avtomobil'naya Promyshlennost'*, 1958, Nr 3, pp 8-12 (USSR)

ABSTRACT: The roadability of an automobile is determined by its profile and support properties. The profile properties consist of the ability to surmount obstacles, ditches, etc; the support properties consist of the ability to traverse soft ground. Many factors determine the roadability of a motor-car. The most important of them are the momentum of the resistance against the movement ( $M_f$ ), the momentum of the adherence of the leading wheels to the ground ( $M_g$ ), and the momentum developed by the engine on the guiding wheels of the car ( $M_k$ ). The momentum of the resistance against the movement depends on the type and condition of the supporting surface, the construction of the car, type and size of the tires, the speed of the car, etc. The maximal momentum on the leading wheels is limited by the adherence of the wheels to the ground. Formulas for the different momenta are cited.

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Roadability of an Automobile and Its Evaluation

113-58-3-3/16

In Figure 3 the dependence of the roadability of a car on the characteristics of the ground is shown. In determining the roadability for a given car on a given ground, as well as the evaluation of the ground, the use of a standard lead wheel is recommended.

There are 3 figures and 1 table.

ASSOCIATION: NAMI, MVTU imeni Bauman

AVAILABLE: Library of Congress

Card 2/2      1. Passenger vehicles-Design    2. Passenger vehicles-Roadability

SOV/113-58-4-10/21

AUTHOR: Knoroz, V.I., Candidate of Technical Sciences

TITLE: In Answer to Comrade A.I. Gofshetter (Otvet tov. A.I. Gofshetteru)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, Nr 4, pp 45-46 (USSR)

ABSTRACT: In connection with research carried out over many years by NAMI on the optimal dimensions for tires, the author answers questions on this subject asked by a A.I. Gofshetter. There is 1 Soviet reference.

ASSOCIATION: NAMI

1. Tires--Design

Card 1/1

Knros, V.I.  
AUTHORS: Knros, V.I., Candidate of Technical Sciences; Khlebnikov, A.M.  
and Sharkevich, P.A.

113-58-5-8/22

TITLE: Balloon Tires for Dirt Roads (Gruntovyye arochnyye shiny)

PERIODICAL: Avtomobil'naya Promyshlennost', 1958, Nr 5, pp 26-28 (USSR)

ABSTRACT: The author describes the advantage of using balloon tires on dirt roads, soft wet soil or snow covered ground. The use of these tires allows faster speeds on wet or snow-covered roads, the use of less fuel, etc. A type of balloon tire created by the NAMI is described and the characteristics given. There is 1 graph and 3 photos.

ASSOCIATION: NAMI, Yaroslavskiy shinnyy zavod (NAMI, the Yaroslavl' Tire Plant)

AVAILABLE: Library of Congress

Card 1/1 1. Tires-Application

*Khorev, V.I.*

SOV-113-58-10-6/16

AUTHORS: Khorev, V.I., Candidate of Technical Sciences, Sharikyan, Yu.Z.

TITLE: The Movement of an Automobile on Dry Sand (Dvizheniye avtomobilya po sukhomu pesku)

PERIODICAL: Avtomobil'naya promyshlennost', 1958, p 19 - 23 (USSR)

ABSTRACT: The article gives the results of driving tests over dry river sand, performed with a 6 x 6 "ZIL-1210" truck having a total weight of 8,300 kg. The truck was equipped with variable pressure tires in dimensions ranging from 11.00-18 to 14.00-18. Thirteen different processes were recorded simultaneously. Some of the test results are represented by graphics of tire deformation and pressure, etc. It was established that the most suitable tire pressure was 0.8 - 1.0 kg/cm<sup>2</sup> for tires 12.00-18 whereby the load on the truck must not exceed 2.5 tons. Under the same conditions the traction power at the hook is equal to 1,800 kg. The tested truck had a maximum passing capability factor of 0.85 when using tires 14.00-18 with 1.0 kg/cm<sup>2</sup> pressure. It was further established

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The Movement of an Automobile on Dry Sand

SOV-113-58-10-6/16

that existing methods for determining the traction factor on soft soil were not correct. It should be determined by the maximum magnitude of the moment transmitted to the wheels of the automobile during even motion with a partial slipping of the wheels. There are eight sets of graphs.

ASSOCIATION: NAMI

1. Automotive industry--USSR
2. Cargo vehicles--Test methods
3. Soils--Trafficability

Card 2/2

SOV/113-58-11-8/16

**AUTHORS:** Semenov, V.M., Candidate of Technical Sciences, Knoroz, V.I.**TITLE:** The Load on the Power Transmission of an Automobile During Motion Under Impassable Road Conditions (Nagruzheniya silovoy peredachi avtomobiliya pri dvishenii v usloviyakh bez-dorozh'ya)**PERIODICAL:** Avtomobil'naya promyshlennost', 1958, Nr 11, pp 27 - 30, (USSR)**ABSTRACT:** The authors have studied the autovibrations of the torsional moment in the power transmission of trucks, including GAZ-51, ZIL-121, ZIL-121G, ZIL-150, ZIL-151, and MAZ-200. Oscillograms are given for the change of the torsional moment on the axle shafts of the GAZ-41 (fig. 1), summarized in table 1, and the drive shafts of the ZIL-121 G summarized in table 2. It is pointed out that the vibrations of the torsional moment in the transmission at gear shifting and starting differs in vehicles the friction faces of which are made of one and the same material. They are strongly marked in the GAZ-51 and

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SOV/113-58-11-8/16

The Load on the Power Transmission of an Automobile During Motion Under  
Impassable Road Conditions

weak in the ZIL-150 and MAZ-200. Partial wheel slipping during exploitation on impassable roads led to early breakdowns of parts of the transmission, e.g. in ZIL-151, the wheel disk pins fail very often within 30,000 to 50,000 km. Eight points are mentioned that especially affect the origin of the autovibrations of the torsional moment in the power transmission of an automobile. There are 2 sets of oscilograms, 2 tables, and 4 Soviet references.

ASSOCIATION: NAMI

1. Cargo vehicles—Performance
2. Automatic transmission—Applications
3. Automatic transmission—Test results

Card 2/2

KHOROZ, V.I., kand.tekhn.nauk; SHARIKIAN, Yu.E., assistent

Roadability test for motortrucks. Inv.vys.ucheb.sav.;  
mashinotstv. no.3:107-114 '59. (MIRA 13:3)

17. Moskovskoye vyscheye tekhnicheskoye uchilishche imeni  
N.Ye.Bauman. 1-stoletiye-vyshnyy ordena Tsyadovogo  
Krasnogo Znameni nauchno-issledovatel'skiy avtomobil'nyy  
i avtomotorozavod (AMI).  
(Motortrucks Testing)

KHOROZ, Vladimir Ivanovich; SMIRNOVA, V.K., red.; DONSKAYA, G.D.,  
tekhn.red.; GALAKTIONOVA, Ye.N., tekhn.red.

[Performance of motor-vehicle tires] Rabota avtomobil'noi shiny.  
Izd.2., ispr. i dop. Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'-  
nogo transporta i shosseinykh dorog RSPFR, 1960, 228 p.

(MIRA 13:10)

(Motor vehicles--Tires)

XNOROV, V.I., kand.tekhn.nauk; SHILUKHIN, A.S.

Moments of inertia for motor-vehicle wheels. Avt.prom. no.9122-33  
S '60. (MIRA 1319)

1. Gosudarstvennyy sovusnyy ordena Trudovogo Znaniya nauchno-  
issledovatel'skiy avtomobil'nyy i avtonotoruyy institut i Moskovskiy  
avtosavod imeni Izhmacheva.  
(Motor vehicles--Dynamics)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KNOROZ, V.I.; KHLIKENIKOV, A.M.

-Characteristics of extra-wide lug-type tires. Nauch. i res. 20  
no.1:18-24 Ja '61. (MIRA 14:3)

1. Nauchno-issledovatel'skiy avtomotornyy institut.  
(Automobiles-Tires)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KNOROZ, V.I., kand.tekhn.nauk; PETROV, I.P.; SHELUKHIN, A.S.

Estimating the traction of the wheel. Avt. prom. 27 no. 4:8-12  
Ap '61. (MIRA 14:4)

1. Gosudarstvennyy sovusnyy otdel Trukovogo Krasnogo Znameni  
nauchno-issledovatel'skiy avtomotornyy i avtomotornyy institut.  
(Motor vehicles—Wheels)

GOLUBKOV, V.S.; KOROZ, V.I., kand.tekhn.nauk; STRYUKOV, I.L.

Effect of angles of obliquity of front wheels on the wear of  
tires. Avt.prom. 27 no.8:28-31 Ag '61. (MIRA 14:10)

1. Nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy  
institut.  
(Automobiles—Tires)

COLUBKOV, V.S.; KHOROZ, V.I., kand.tekhn.nauk; STRYUKOV, I.L.

Investigating the stability of the alignment of front wheels  
of a motor vehicle. Avt.prom. 28 no.2:9-12 F '62. (MIRA 15:2)

1. Nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy  
institut.  
(Motor vehicles--wheels)

KHOROZ, V.I., kand. tekhn. nauk; REZNIKOV, A.S.; GUBAREV, G.V.

Selecting tires for motor buses. Avt. prom. 29 no.11:19-23  
N 163. (MIRA 16:12)

1. Gosudarstvennyy sovetskiy ordena Trudovogo Kraenogo Znameni  
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.

KNOROZ, V.I., kand.tekhn.nauk; SHELUKHIN, A.S.

Experimental data on the rolling resistance of motor-vehicle  
tires on highways with hard pavement. Avt.prom. 30 no.2:  
17-21 F '64. (MIRA 17:4)

1. Gosudarstvennyy soyuznyy ordena Trudovogo Krasnogo Znameni  
nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KNOROZ, Vladimir Ivanovich; AGEYKIN, Ya.S., nauchn. red.

[R and RS-type motor-vehicle tires] Avtomobil'nye shины  
tipa R i RS. Moskva, Transport, 1964. 41 p.  
(MIRA 17:9)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KHOROK, V.S.

Improved calculation methods for pressure pulp condensers and the technological and economic approach in planning them. Trudy Len.politekh.inst. no.4:159-164 '67. (MLRA 6:8)

(Hydraulic engineering)

KNOROZ, V. S.

KNOROZ, V. A. "An instruments for determining the distribution and rate of sedimentation of streams of water-solid mixtures", Izvestiya Vsesoyuz. nauch.-issled. in-ta gidro-tehniki im. Vedeneyeva, Vol. XXXVIII, 1948, p. 108-13.

SO: U3042, 11 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 7 1949)

Khoroz, V.S., docent, kandidat tekhnicheskikh nauk.

Device for determining the distribution of turbidity and velocities  
along a cross section of hydraulic flow. Inv. VNIIO no. 38:123-126  
'46. (MLRA 10:2)

(Hydraulics)

KIDROZ, V.S., dotsent, kandidat tekhnicheskikh nauk.

Transporting sandy materials by fluid flow under pressure.  
Isv. VNIIG no.40:30-58 '49.

(MLRA 10:2)

(Hydraulics)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KHOROK, V.G., kandidat tekhnicheskikh nauk.

Non-scouring velocity for fine-grained soils. Gidr.strel. 22 no.8:21-24  
Ag '53.  
(MLM 6:8)  
(Soil mechanics)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KHOROZ, V.S., kandidat tekhnicheskikh nauk.

Formation of natural bars due to river bottom wash. Gidr. stroi.  
25 no. 4:45-48 My '56. (MIRA 919)

(Silt)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KHOROZ, V.S., kandidat tekhnicheskikh nauk.

Selecting thickness of foundations for protecting channels from  
wash. Odzr.stroi. 25 no.9:40-44 O '56. (MLRA 9:11)  
(Hydraulic engineering)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

ЛВИ, Ivan Ivanovich; ENERG. V., redaktor; ZABRODINA, A.A., tekhnicheskiy  
redaktor

[The dynamics of channel currents] Dinamika ruzlevykh potokov.  
Moskva, Gos. energ.-izd-vo, 1957. 252 p.  
(Rivers) (Hydraulics)

KNOROZ, U.S.

2017/20-29-7-20/20  
International Conference on Problems of Water Security  
Water-energy security researches for water-energy balance

Acta entomologica Academiae Scientiarum Bohemoslovacicae 1929, No. I, pp. 22-30

印譜考略

**Chairman:** Under the chairmanship of Mr. V. A. Kuznetsov, the Conference of the Central Committee of the CPSU and the USSR Government on the Organization of the National Economy and the State Budget was held in Moscow on December 25-26, 1956. One of the main problems discussed at the Conference was the question of the relationship between the state budget and the national economy. The Conference decided to increase the role of the state budget in the organization of the national economy, particularly in the field of agriculture, industry, and construction. It was also decided to increase the role of the state budget in the organization of the national economy, particularly in the field of agriculture, industry, and construction. The Conference also decided to increase the role of the state budget in the organization of the national economy, particularly in the field of agriculture, industry, and construction.

part in the life of the community. The main objective of the new movement is the creation of a new economic system based on the principles of social justice, democracy, and equality. It is committed to the promotion of sustainable development, environmental protection, and social welfare. The movement is particularly active in the field of sustainable agriculture, organic farming, and local food systems. It also advocates for the protection of natural resources and the preservation of cultural heritage. The movement is a coalition of various organizations, including farmers' associations, environmental groups, and social justice advocacy groups. It has organized numerous protests and campaigns against corporate agriculture, climate change, and other issues. The movement is seen as a threat to the status quo and is often targeted by conservative political parties.

countries about you and to be joined on by organizations and societies of a similar character. 1) International organizations for the utilization of ocean resources. 2) Internationalization of the processes in river basins. 3) Internationalization of mineral resources and mining codes. 4) Internationalization of the world's airways and technical consultation in the field of communications. 5) Internationalization of the world's economy.

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四庫全書

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KNOX - V. S.

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Bentley, B.T., Chairman  
Committee on Scientific Research

10(4)

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KNOROV, V.S., dotsent, kand.tekhn.nauk

Effect of the macroroughness of the channel on its hydraulic resistances. Iss.VNIIG 62:75-96 '59.  
(Hydraulics) (MIRA 13:6)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

REPROZHENIY, P.S.; REYAKOV, A.A.; VOZLESSENSKIY, A.N.; GLEBOV, P.D.;  
KACHANOVSKIY, B.D.; BASEVICH, A.Z.; TARTAKOVSKIY, D.M.;  
VASIL'YEV, P.I.; ZARUBAYEV, N.V.; CHUGAEV, R.R.; KOZHIVNIKOV,  
N.P.; KHOROKH, Y.B.; IVANOV, P.L.; SHCHAVELEV, D.S.; OKOROKOV,  
S.D.; BELOV, A.V.; STAROSTIN, S.M.; YAGN, Yu.I.; IZRASH, S.V.

Ivan Ivanovich Levi; on his 60th birthday. Gidr. stroi. 30  
no.9:61-62 S '60. (MIRA 13:9)  
(Levi, Ivan Ivanovich, 1900-)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KOROZOV, L.V., polkovnik meditsinskoy sluzhby

Device for artificial respiration by means of blowing in  
expiratory air. Voen.-med. zhur. no.3:87-89 '65.  
(MIRA 18:11)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

MOGUCHIY, M.A., general-major meditsinskoy sluzhby, dotsent; KOROZOV, L.V.,  
polkovnik meditsinskoy sluzhby.

Partial special treatment. Voen.-med. zhur. no.12:3-6 '59.  
(MIRA 14:1)

(MILITARY MEDICINE)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KHOROZOV, S.V.

PHASE I BOOK EXPLOITATION SOV/3766  
SOV/42-M-129

Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut geodezii,  
aeros"zemki i kartografii

Primenayemyye metody opredeleniya v polete elementov vneshnego  
oriyentirovaniya (Methods Used for Determining in Flight the  
Elements of Exterior Orientation) Moscow, Geodezizdat, 1959.  
199 p. (Series: Its: Trudy, vyp. 129). Errata slip inserted.  
1,500 copies printed.

Sponsoring Agency. USSR. Ministerstvo vnutrennikh del. Glavnoye  
upravleniye geodezii i kartografii.

Ed. (Title Page): M.D. Konshin, Doctor of Technical Sciences, Pro-  
fessor; Ed. (Inside book): S.V. Khorozov; Ed. of Publishing  
House: V.I. Vasil'yeva; Tech. Ed.: V.V. Romanova.

PURPOSE: The book is intended for photogrammetrists.

COVERAGE: This book on photogrammetric exterior orientation is

Card 1/8

**Methods Used (Cont.)**

SOV/3766

divided into two parts. Part I discusses the apparatus involved and its operation, while the second part explains the techniques used in exterior orientation. The main emphasis is put on the utilization of radar in measuring distances in photogrammetric missions and on the description of airborne and ground radiogeodetic apparatus and systems (stations) employing the velocity of radio wave propagation for precision measurement in aerial-survey operations. Part I discusses: the APA-TK camera with recorder; the N-55 gyroscopic stabilizer (or stabilizator), i.e., a vibration damper, used as an attachment to the camera for maximum optical steadiness; radio (or radar) altimeter of the RVTD type; photorecorders; statoscopes; and radiogeodetic stations. Principles of operation are discussed and diagrams and/or photographs presented. The second part discusses methods and procedures of computing the relevant values, i.e., reading and adjusting the recorded data. Chapter XI deals with the determination of coordinates for the photo-control points by the usual radio-surveying method and by a hyperbolic radiogeodetic system using the phase-comparison system [similar to the one employed by Loran]. The book is

Card 2/8

KNOROZOV, YURIY VALENTINOVICH

KNOROZOV, Yuriy Valentinovich

KNOROZOV. Yuriy Valentinovich, Academic Degree of Doctor of Historical Sciences, based on his defense, 29 March 1955, in the Council of the Inst of Ethnography of the Acad Sci USSR, of his dissertation entitled: "Report on the affairs of Yukatans Dzgodde Lands as a historically ethnographic source." Presented in competition for the Academic Title of Candidate of Sciences. For the Academic Title of Doctor of Sciences

SO: Byulleten' Ministerstva, Vysshego Obrazovaniya SSSR, List No 19, 24 Sept. 1955,  
Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KNOROZOV, Yu. V.

"Panteon drevnikh mayya."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

VOLOVEL'SKIY, L.N.; KNOROZOVA, O.V.

Synthesis of androstane derivatives. Part 3; Dihydrazone of 2-hydroxymethylenedihydroxytestosterone and 2-hydroxymethylane-17<sup>o</sup>-methylhydroxytestosterone. Zhur. ob. khim. 34 no.1:343-347 Ja '64. (MIRA 17:3).

1. Ukrainskiy institut eksperimental'noy endokrinologii.

VDOVEL'SKIY, L.N.; KHOROZHOVA, G.V.

Synthesis of alkyl derivatives of the androstane series.  
2-hydroxymethylenedihydrotestosterone and 2,6-methyldihydrotestosterone.  
Zhur. prikl. khim. 35 no.11:2580-2582 N '62. (MIRA 15:12)

1. Ukrainskiy institut eksperimental'noy endokrinologii.  
(Testosterone) (Androstane)

VOLOVEL'SKII, L.N.; KOROZOVA, G.V.

Synthesis of alkyl derivatives of the androstane series. Part 1:  
2-(Hydroxymethylene)-17 $\alpha$ -methylidihydrotestosterone and  
24,17 $\beta$ -dimethylidihydrotestosterone. Zhur. ob. khim. 33 no.2:676-  
680. F '63. (MIRA 16:1)

(Testosterone)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KNORRE, A. O.

"A. O. Kowalewsky, the Founder of Comparative Embryology" (100th Anniversary of His Birth) (p. 195) by Knorre, A. O.

SO: Advances in Modern Biology, (Uspakhi Sovremennoi Biologii), Vol. XIII, No. 2, 1940

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KNORRE, A. G.

"The process of formation of entoderm in birds in relation to gastrulation." (p. 318)  
by A. G. Knorre

SO: Advances in Modern Biology (Uspekhi Sovremennoi Biologii) Vol. XIV, №. 3, 1941

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KHORRE, A. G. (Kuibishev)

"Evolutional Histology and the Work of A. N. Severtsov" (p.357) by Khorre, A. G.

SO: Advances in Modern Biology, (Uspékhi Sovremennoi Biologii) Vol. XXI, No. 3, 1946

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KNORRE, A. G.

"Histogenetic Recapitulations". (p. 183) by Knorre, A. G.

SO: Journal of General Biology, Vol. VIII, No. 3, (Issues 1-6 for 1947)

KNORRE, A. G.

PA 60741

Science/Medicine - Birds

Jul 1947

Medicine - Epithelium

"The Pharmaceutical and Definitive Differentiation  
of Rescoring Entobrial Epithelia in Birds," A. G.  
Knorre, Inst Experimental Med, 31 pp

"Dok Akad Nauk SSSR, Nova Ser" Vol LVII, No 1

Gives details of experimental work on various  
stages of differentiation of intestinal and yolk  
epithelia before, during and after incubation.  
Submitted by Academician I. I. Shmal'gauzen,  
26 Jan 1947.

60741

KJORRE, A. G.

24258 KJORRE, A. G. Svaritel'no-morfologicheskoye issledovaniye klatocnogo materiala rannikh embrional'nykh zachagkov kak nadoi vyyavleniya ikh histologicheskoy determinatsii. Trudy Akad. med. nauk SSSR, T. III, 1949, s. 83-84.

SO: Letopis, No. 32, 1949.

KNORRE, A. G.

Knorre, A. G. - "On the problem of the origin of sympathetic  
bundles in the border column during normal embryogeny",  
Trudy Gos. in-ta po izucheniyu mозга im. Bekhtereva, Vol.  
XVI, 1949, p. 235-47, illustrations on p. 439-47.

SO: U-4631, 16 Sept. 53, (Letopis 'Zhurnal 'nykh Statey, No. 24, 1949).

KNORRE, A. G.

35233

Differentsirovka Entoder-my U Ptits. Uchen. Zapiski Tymingr, gos. Un-T  
im. Zhana), Seriya Biol. Nauk. Vyp. 20, 1949, S. 301-23-Bibliogr: 10 Nasv.

SO: Letopis 'Zhurnal 'nykh Stately Vol. 34, Maskva, 1949

KHORRE, A. G.

"Embryonal Development Of The Autonomic Nervous System In Vertebrates." (p. 37-62) by  
Khorre, A. G. (Leningrad)

SO: PROGRESS OF CONTEMPORARY BIOLOGY (Us. Sovrem. Biol.) Vol. XXVII 1949 No. 1 (Jan.-Feb.)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

KNOBLE, A.G.

Entoderm differentiation in birds. Uch.sap.Len.us. no.113:301-323  
1496 (MIRI 1013)

(EMBRYOLOGY--BIRDS) (EPITHELIUM)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

KNORRE, A. G.

"A. O. Kovalevski as a Histologist and Significance of His Works in the Development of Histology; 50th Anniversary of His Death." (p. 412) by Khlopin, N. G. and Knorre, A. G. (Leningrad)

SO: Progress in Contemporary Biology Vol. 32, No.3(6), 1951.

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

*KHLOPIN, N.G.*

**KHLOPIN, N.G.; KHORRE, A.G. (Leningrad)**

Petr Pavlovich Ivanov; 75th anniversary of his birth. Usp. Sovr.  
biol. 36 no.3:367-379 N-D '53.  
(IVANOV, PETR PAVLOVICH, 1878-1942)  
(MIRA 8:3)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7

~~KHODOROV, A. G.~~

~~DOLGO-SABUROV, B.A.; KNOZH, A.G.~~

Discussion on historical method in histology. Arkh. anat. gist.  
1 embr. 31 no. 2:65-74 Ap-Je '54. (MLRA 7:6)  
(HISTOLOGY,  
"methodol.")

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"

GROMENKA, K.Ye.; ENOMEN, A.O.; MARYSHEVICH, L.D.; MIKHAYLOV, V.P.

Evguenii Sil'verievich Danini; 1894-1954 Arkh. anat. glist. 1 embr.  
32 no.2:6 -65 Ap-Je '55. (MERA 9:1)

(OBITUARIES,

Danini, Evguenii S.)

(BIOGRAPHIES,

Danini, Evguenii S., bibliog.)

KNOREK, A.O.

"Human embryology" [in Slovak], Ivan Stanek. Reviewed by A.O. Knorek.  
Arkh. Anat. i embr. 32 no.2:77 Ap-Je '55. (NIRA 9:1)

(EMBRYOLOGY, HUMAN)  
(STANEK, IVAN)

KNORRE, A.O.

"Embryological development of Acipenseridai (sevruga, Russian and white sturgeons) in connection with breeding problems". T.A. Detlaf, A.S. Ginsburg. Reviewed by A.G. Knorre. Arkh. anat. i embr. 32 no.4:88-89 O-D '55  
(MLRA 9:5)

(EMBRYOLOGY--FISHES) (DETLAF, T.A.) (GINZBURG, A.S.)  
(STURGEONS)

KNORRE, A.G.

USSR/General Biology - Cytology.

B-2

Abs Jour : Ref Zhur - Biologiya, No 1, 1957, 156.

Author : A.G. Knorre

Inst :

Title : Morphological Characteristics of the Yolk of a Chicken Egg.

Orig Pub : Dokl. AN. SSSR, 1955, 103, No 1, 149-152.

Abst : The yolk of a chicken egg, fresh and under conditions of explantation (a phasocounterring apparatus and luminescent and ultra-violet microscopes were used), as well as in fixed preparations histologically and histochemically processed, was studied. Some elements of the yolk externally may resemble the cells of an embryonic disk (particularly of the ectoderm), but the entire resemblance is limited to the size, the round form, and the presence of the corpuscle which looks like a nucleus. By its nature, internal structure, and histochemical characteris-

Card 1/2

Init Med Read in S. M. Kior

USSR / General Biology - Individual Development.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38001.

Author : Knorre, A. G.

Inst : Not given.

Title : Some Mechanisms of Embryonic Histogenesis.

Orig Pub: V. sb. Probl. sovrem. embriologii. L., Un-t,  
1958, 75-89.

Abstract: A study was conducted on processes of genesis and differentiation of embryonic rudiments in amphibians (axolotl, frog), in birds (hen), and mammals (rabbit and man) by different cytological and histochemical methods, by luminescence and ultra-violet microscopy on fixated preparations and in vivo (normally and in cultures). Regular yolk elements of hen's eggs, the author observes, consist of elements of integrated yolk mass, of gigantic granular yolk spheres, produc-

Card 1/3

USSR / General Biology - Individual Development.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38001.

Abstract: tions of granulation, and of intracellular yolk inclusions. There is no DNA in yolk spheres, or (less likely) it contains traces. During embryonic development no nascent cell formations from white or yellow yolk spheres, or from nuclei free megaspheres takes place, either in normal embryogenesis or when cultivated in vitro. There is no protein synthesis in yolk spheres and their conversion, observed by Lepashinskaya, externally imitating processes of development, presents physicochemical phenomena of coacervation, swelling, admixtures, etc. Intracellular substances are the results of life activity and differentiation by cells of embryonic rudiments; they are not a source of their genesis. The fetal rudiments and tissues do not originate in cellless, symplastic

Card 2/3

10

USSR / General Biology - Individual Development.

B

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38001.

Abstract: formations by division into cells; a separation of single-nucleus sections (cells) from sympleasts does not constitute "genesis of cells from a non-cellular living substance". A breakdown of the zygote and the subsequent fission of blastomeres always occurs mitotically, while amitotic nuclei interlacings occur later.

Card 3/3

KNORRE, A.G.

"Immunity of embryos" by B.P. Tokin. Reviewed by A.G. Knorre.  
Vest. Len. un. 11 no.21:143-145 '56. (MIRA 10:2)

(IMMUNITY) (IMMUNOLOGY)

USSR/General Biology - Individual Development.

B-4

Abs Jour : Ref Zhur - Biol., No 4, 1958, 19070

Author : Knowroff, A.G.

Inst :

Title : Histological Characteristics of a Two-Week Old Human Fetus

Orig Pub : Arkhiv anatomii, histol. i embriologii, 1956, 33, No 2,  
38-46

Abstract : A two-week old human fetus found in a forensic dissection is described. Due to absence of anamnestic data its age was determined only from data in the literature. The fetus was in the stage of a two-layered fetal blast, i.e. the beginning of the second phase of gastrulation (stage VII, according to Striter). In the connective tissue of the chorion basic substance was already formed, with clearly defined argyrophilic fibers; the beginning of the appearance of collagen fibers was observed. Trophoblast was divided into 2 layers-- cellular and symplastic.

Card 1/2

*Chair of Histology & Embryology  
Mil Med Acad. in Kiev*

USSR/General Biology - Individual Development.

B-4

Abs Jour : Ref Zaur - Biol., No 5, 1958, 19070

Mitoses were observed in the cellular layer-- amniotic nuclei divisions in the symplastic. The connective tissues of the walls of the fetal sac and the yolk sac were filled with a peritoneal epithelium of exococion.

Card 2/2

*Knorre, A.G.*

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012  
Author : A. G. Knorre  
Inst :  
Title : Discussion on the Contemporary State of the  
Cell Theory by the Leningrad Society of  
Anatomists, Histologists and Embryologists  
Orig Pub : Arkhiv anatomii, gistol. i embriologii,  
1956, 33, No 3, 76-81  
  
Abstract : An account of the sessions of May 11-12,  
1955 on the paper by L. N. Zhinkin and V.  
P. Mikhaylov, "A Critical Analysis of the  
Contemporary State of the Cell Theory."  
A. N. Studitskiy recognizes that "some of  
the factual material presented by O. B.

Card 1/8

*Leningrad Pediatric Med. Inst.  
Chair of Histology and Embryology*

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012

Abstract : Lepeshinskaya to back her concept was not confirmed." However, he continues to defend this concept, referring to the phenomena of chromosome regeneration in the prophase and nucleolus formation in the telophase, of myofibrils in muscle cells and of neurofibrils in neurones, of the specific granularity in the granulocytes, etc. Studitskiy considers his experiments on the regeneration of transplanted ground muscular tissue a confirmation of the "new cell theory" because these experiments were "carried out under the direct influence of the new conceptions of the role of cells in development." Zhinkin referred to the data

Card 2/8

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012

Abstract : obtained by Mikhaylov, Voronin, Dmitriyev and Manina refuting the contentions of the "new cell theory" advocates, namely, Polezhayev, Skobel'skiy, and Studitskiy. A. G. Knorre pointed out that the paper contained only a critical analysis of the "new cell theory" of Lepeshinskaya without analyzing the present state of the cell theory abroad and in the U.S.S.R. A. F. Kononov thinks that the lecturers "are reverting to Virchov." D. A. Zhdanov pointed out that it was time to switch from verbal polemics to a verification of the facts in possession of the defenders and the antagonists of the "new cell theory."

Card 3/8

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012

Abstract : S. I. Shchelkunov, after having directly studied the preparations, microfilms and other documents of Lepeshinskaya, came to the conclusion that the preparations do not even show a trace of cell regeneration; a microfilm, mounted on a film strip composed of statistical microphotographs, demonstrates only the existence of yolk globules. The microfilm which illustrates the formation of cells from ground hydras is just as unconvincing. Shchelkunov thinks that Lepeshinskaya does not have factual material which corroborates her conception. I. G. Urazov said he thinks that Lepeshinskaya, in principle, correctly formulates the possibility of a repetition of the pre-

Card 4/3

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012

Abstract : cell stage in ontogenesis of contemporary animals; but he added that he was himself unsuccessful in his attempt to trace the formation of cells from yolk globules. Urazof regarded V. P. Mikhaylov's data on new cell formation solely by division during regeneration as "inadequately convincing." Korobkov said that Lepeshinskaya's philosophical conceptions come close to pragmatism. P. V. Makarov criticized a number of concepts in the paper; he thinks that the problem of cell regeneration is quite plausible, but that the facts presented by Lepeshinskaya remain unproved. B. P. Tokin pointed out that despite some

Card 5/8

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012

Abstract : pointed out that Studitskiy's reference to the regeneration of the nucleolus, of myofibrils and neurofibrils, and Revutskaya's reference to amitotic cellular division, have nothing to do with the "new cell theory." V. Ya. Aleksandrov also thinks that Yeliseyev, Revutskaya, etc., in an attempt to defend the "new cell theory," present irrelevant facts; he considers the "new cell theory" groundless. A. Ye. Suglitskiy criticized Lepeshinskaya's statement that mitosis should be considered a form of sexual reproduction. Answering this question he had asked her by letter, Lepeshinskaya admitted that there are no facts

Card 7/8

USSR/General Division. General Problems. Philosophy. A-1  
Methodology.

Abs Jour : Ref Zhur-Biologiya, No 20, 1957, 85012

Abstract : confirming this conception. Suglitskiy refuted Yezdanyan's statement that spermatozoa are formed from a "non-cellular living substance." B. A. Dolgo-Saburov expressed his regrets that the lecture and discussion dealt mainly with an appraisal of the work of Lepeshinskaya and her followers without considering new problems of cytology connected with the application of modern research methods.

Card 8/8

KNOX,  
BYSTROV, Aleksey Petrovich; IMKHEM, A.O., red.; ZULEVA, M.S., tekhn.red.

[Man's past, present and future] Proshloe, nastroenie, budushchee  
cheloveka. [Leningrad] Gos.izd-vo med.lit-ry, Leningr. otd-nie.  
1957. 312 p.  
(EVOLUTION)

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KNORRE, A.G.

ALASHIN, B.V.; KATSEL'JON, E.S.; KHOKH, A.O.; SIDOV, O.A.; STASIK,  
U.S.; SUOLITSKIY, A.Ye.; TIKHOFER, A.V.

"Manual on histology" by A.A.Zayernin, S.I.Bchelkunov. Reviewed  
by B.V.Alashin and others. Arkh.anat.sist. i embr. 34 no.3:110-118  
Ky-Jo '57.  
(HISTOLOGY) (ZAYERNIN, A.A.) (BCHKAUBEV, S.I.)

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000723320016-7"